

**ADAPTIVE THRESHOLD BASED JITTER BUFFER MANAGEMENT
FOR PACKETIZED DATA**

ABSTRACT OF THE DISCLOSURE

5 Adaptive jitter buffer management, e.g., for playout of packetized data transmitted over a network. Playout delay is iteratively adjusted based on changing network traffic characteristics by varying the release threshold in a jitter buffer. The adjustment is carried out by evaluating three quantities: (1) average packet transit time over the network; (2) jitter of the packet transit time; and (3) additional waiting time due to the presence of out-of-sequence packets. This invention reduces negative effects of jitter and/or transmission
10 irregularities, such as late arrival of packets and out-of-sequence packets, while maintaining relatively low playout delay and relatively high quality of service.